

INNOVATION AND COMPETITIVENESS

A STRATEGIC APPROACH TO

# EMERGING CHEMICAL ISSUES



An interactive workshop  
on developing strategies  
to address the increasing  
pressure on global  
manufacturers from chemical  
controls and government  
regulatory programs



SEPTEMBER 2006

Tuesday and Wednesday,  
September 26-27

National Institute of Standards  
and Technology, Gaithersburg, MD  
[www.NIST.gov](http://www.NIST.gov)

Jointly sponsored by U.S. Industry and

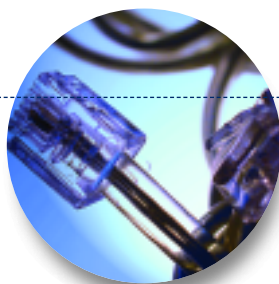
**NIST**

**National Institute of Standards and Technology**  
Technology Administration, U.S. Department of Commerce

**Organized by:**

American Chemical Society (ACS)  
American National Standards Institute (ANSI) Company Member Forum  
American Society for Testing and Materials (ASTM)  
Automotive Industry Action Group (AIAG)  
National Institute of Standards and Technology (NIST)  
NSF International

# THE ISSUES

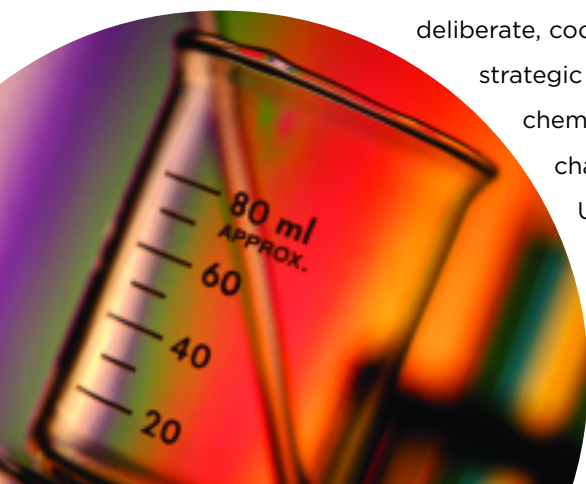


This forum will bring together key stakeholders to develop a better understanding of how to work together to establish early-warning mechanisms and promote policies and agendas that preserve American jobs and enhance the competitiveness of U.S. industry.

An important element of the forum will be to discuss an "early warning" system and processes that facilitate technical health, safety and environmental (HSE) debate in the early stages of emerging chemical issues.

Participants will:

- Explore mechanisms used to identify emerging chemical issues
- Learn how critical regulatory and standards pressures affect chemicals and their uses and the potential impacts on U.S. and international commerce
- Explore and identify processes and systems that promote effective information exchanges among U.S. businesses and the scientific and technical communities during the early stages of issue development
- Participate in discussions of how the business, scientific and technical communities can be more deliberate, coordinated, and strategic in anticipating chemical-related challenges that affect U.S. manufacturing



# AGENDA

**Tuesday, September 26, 2006**

## **11:30 AM Registration**

Outside Green Auditorium NIST Main Building,  
100 Bureau Drive, Gaithersburg, MD

## **12:30 PM Welcome**

Dr. Hratch G. Semerjian, NIST Chief Scientist

## **1:00 PM Session I Setting the Tone: Impact on Industry Sectors/Organizations**

- ▶ **How We Got Here:** Mike Taubitz, General Motors, representing AIAG and ANSI CMF
- ▶ **Output of USCIB/ACC Forum on Emerging Chemical Issues, March 2006 and the Latest on GHS in the International Arena:** Andrea Fava, U.S. Council for International Business
- ▶ **Impact of RoHS and WEEE on Electronics OEMs:** Mike Kirschner, Design Chain Associates
- ▶ **Life Cycle Assessment:** Bobbie Lippiatt, NIST
- ▶ **Global Manufacturer's Perspective on Balancing Common Processes with Constantly Emerging Chemical Issues:** Dr. Patricia Beattie, General Motors

## **4:00 PM Session II What's at Stake?**

Dr. Nina McClelland, Nina I. McClelland, LLC

## **4:20 PM Q & A with Panel Members**

## **5:00 PM Closing Remarks/Preview of Day 2**

Dr. William F. Koch, Deputy Director, Chemical Science and Technology Laboratory, NIST

## **6:00 PM Social Networking**

Gaithersburg Hilton

## **7:00 PM Dinner and Plenary Address**

Patrick J. Cleary, Senior Vice President of Communications, National Association of Manufacturers





# SPEAKERS

## **Madeleine Jacobs, Executive Director and CEO, American Chemical Society**

Since January 2004, Madeleine Jacobs has led the world's largest scientific society, which was founded nearly 130 years ago. ACS has a membership of more than 158,000 chemists and chemical engineers and a staff of 1,900. ACS is a leader in scientific publishing, education and public policy.

## **Patrick J. Cleary, Sr. VP of Communications, National Association of Manufacturers**

Patrick Cleary brings his extensive background in labor and human resources to NAM, where he oversees policy formation and advocacy on a broad range of issues affecting the health, safety, and productivity of America's workforce.

## **Hratch G. Semerjian, NIST Chief Scientist**

Hratch G. Semerjian has served NIST as both acting director and deputy director. In his current role, Dr. Semerjian helps identify specific technical opportunities for NIST and represents the agency at technical meetings and in international matters.



## **Wednesday, September 27, 2006**

### **8:00 AM Continental Breakfast/Networking**

NIST Headquarters, Gaithersburg, MD

### **8:30 AM Keynote Address**

Madeleine Jacobs, Executive Director and Chief Executive Officer, American Chemical Society

### **9:00 AM Concurrent Facilitated Breakout Sessions**

Introduction: Dr. Nina McClelland

- ▶ **What Works and What Doesn't: Lessons Learned from Past Experience**
- ▶ **Strategic Use of Voluntary Standards by Government and Industry**
- ▶ **Present and Future Mechanisms for Early Identification of Issues**
- ▶ **Mechanisms for Broad Stakeholder Collaboration**
- ▶ **The Role of Science and Research: Fact-based Decision-making**

### **11:20 AM Plenary Address**

Fran Schrotter, ANSI Senior Vice President/COO

### **12:15 PM Lunch/Networking**

### **1:15 PM Panel Reports from Breakout Sessions**

### **2:30 PM Next Steps**

### **3:00 PM Adjourn**

He also helps promote and plan NIST's science, technology, engineering, and mathematics education programs.

## **Nina I. McClelland PhD, President, Nina I. McClelland LLC**

Nina McClelland is a retired CEO and past three-term

Board Chair of the American Chemical Society.

Dr. McClelland brings her extensive background in policy, science and standards along with her technical expertise to the broad suite of emerging chemical issues that are challenging U.S. manufacturing competitiveness and the workforce.

## **Dr. William F. Koch, Deputy Director, Chemical Science and Technology Laboratory, NIST**

Dr. Koch received his PhD in Analytical Chemistry at Iowa State University in 1975, joining NIST as a post-doc. He is a member of the Senior Executive Service, was awarded the Silver Medal by the Department of Commerce in 2002, and is a Fellow of the National Academy of Clinical Biochemistry.



# REGISTRATION

## Register online by September 19 at

[https://rproxy.nist.gov/CRS/conf\\_ext.cfm?conf\\_id=1814](https://rproxy.nist.gov/CRS/conf_ext.cfm?conf_id=1814).

The conference fee is \$250 per person.

## Registration Contact

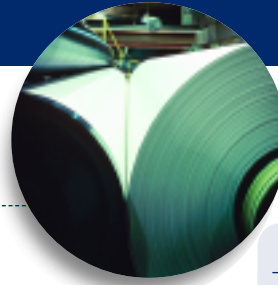
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## Technical Contacts

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National Institute of Standards  
and Technology  
100 Bureau Drive, Stop 1070  
Gaithersburg, MD 20899



## GETTING HERE

### From Washington/Dulles International Airport (IAD)

Follow the Dulles Access Road to Bethesda/Baltimore entrance ramp to 495. Take 495 (left lane exit) to 270 North. Take Exit #10 toward Clopper Road (MD 117) and Quince Orchard Rd (MD 124). At the first light, turn right onto Clopper Road. Turn left at next stop light (Bureau Dr.).

### From Baltimore Washington International Airport (BWI)

Take 195 West. Take 95 South Exit #4B toward Washington. Take 495 West Exit #27-25 toward College Park/Silver Spring. Take 270 North Exit #35 toward Frederick. Take 270 Local North toward Montrose Road. Take Exit #10 toward Clopper Road (MD 117) and Quince Orchard Rd (MD 124). At the first light, turn right onto Clopper Road. Turn left at next stop light (Bureau Dr.).

### From Ronald Reagan Washington National Airport

Exit National Airport heading north on the George Washington (GW) Parkway toward Maryland. Take the GW Parkway to 495 North toward Maryland. Take 495 (left lane exit) to 270 North. Take Exit #10 toward Clopper Road (MD 117) and Quince Orchard Rd (MD 124). At the first light, turn right onto Clopper Road. Turn left at next stop light (Bureau Dr.).

### NIST Metro Shuttle

NIST provides a shuttle service for official visitors to/from the Shady Grove Metro Station. Meet the NIST shuttle at the east side "Kiss & Ride" area of the Shady Grove Metro Station at 15 and 45 minutes past the hour from 8 am to 5:30 pm. The shuttle departs in front of the NIST Administration Building on the hour and half hour, and stops at NIST North four minutes later on the way to the Metro station.

## ACCOMMODATIONS

A block of rooms has been reserved for September 26 and 27 at the Gaithersburg Hilton Hotel, 620 Perry Parkway. The discounted conference rate is \$139 per night, plus 12% tax. To make reservations at this rate, call the hotel directly at (301) 977-8900 and say you are attending the NIST Innovation Conference. Reservations must be made by September 4 to guarantee this rate.

Attendees are responsible for making their own hotel arrangements. These additional listings are provided as a courtesy; NIST does not endorse or guarantee the quality or services of these establishments.

Best Western Hotel  
800-366-1251

Comfort Inn Shady Grove  
(301) 330-0023

Courtyard Marriott-  
Gaithersburg  
(301) 670-0008

Courtyard by Marriott/  
Rockville  
(301) 670-6700

Double Tree Hotel  
(301) 468-1100

Extended Stay America  
(301) 869-9814

The NEW Fairfield Inn & Suites  
Germantown Gaithersburg  
(301) 916-0750

Gaithersburg Marriott  
Washingtonian Center  
(301) 590-0044

Hampton Inn  
(301) 428-1300

Holiday Inn  
(301) 948-8900

Homestead Village  
Guest Studios  
(301) 987-9100

Motel 6  
(301) 977-3311

Oakwood Worldwide  
(877) 969-8953

Park Inn International  
(301) 881-5200

Quality Suites Shady Grove  
(301) 840-0200

Ramada Inn Rockville  
(301) 881-2300

Red Roof Inn Rockville  
(301) 987-0965

Residence Inn by Marriott  
(301) 590-3003

Sleep Inn  
(301) 948-8000

Spring Hill Suites by Marriott  
(301) 987-0900

Suite America  
(877) 827-8483

Summerfield Suites Hotel  
(301) 527-6000

TownPlace Suites by Marriott  
(301) 590-2300

Woodfin Suites  
(301) 590-9880